

#6

OIPE

RAW SEQUENCE LISTING

DATE: 07/30/2001

PATENT APPLICATION: US/09/747,420

TIME: 14:59:34

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\07302001\I747420.raw

ENTERED

3 <110> APPLICANT: Benson, Timothy
4 Durbin, Jim
5 Prince, D. Bryan
7 <120> TITLE OF INVENTION: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF GLYCOSYLATED
HUMAN BETA
8 SECRETASE, AN ENZYME IMPLICATED IN ALZHEIMER'S DISEASE
10 <130> FILE REFERENCE: 00481
12 <140> CURRENT APPLICATION NUMBER: 09/747,420
13 <141> CURRENT FILING DATE: 2000-12-23
15 <160> NUMBER OF SEQ ID NOS: 5
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 385
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
26 Glu Met Val Asp Asn Leu Arg Gly Lys Ser Gly Gln Gly Tyr Tyr Val
27 1 5 10 15
29 Glu Met Thr Val Gly Ser Pro Pro Gln Thr Leu Asn Ile Leu Val Asp
30 20 25 30
32 Thr Gly Ser Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu
33 35 40 45
35 His Arg Tyr Tyr Gln Arg Gln Leu Ser Ser Thr Tyr Arg Asp Leu Arg
36 50 55 60
38 Lys Gly Val Tyr Val Pro Tyr Thr Gln Gly Lys Trp Glu Gly Glu Leu
39 65 70 75 80
41 Gly Thr Asp Leu Val Ser Ile Pro His Gly Pro Asn Val Thr Val Arg
42 85 90 95
44 Ala Asn Ile Ala Ala Ile Thr Glu Ser Asp Lys Phe Phe Ile Asn Gly
45 100 105 110
47 Ser Asn Trp Glu Gly Ile Leu Gly Leu Ala Tyr Ala Glu Ile Ala Arg
48 115 120 125
50 Pro Asp Asp Ser Leu Glu Pro Phe Phe Asp Ser Leu Val Lys Gln Thr
51 130 135 140
53 His Val Pro Asn Leu Phe Ser Leu Gln Leu Cys Gly Ala Gly Phe Pro
54 145 150 155 160
56 Leu Asn Gln Ser Glu Val Leu Ala Ser Val Gly Gly Ser Met Ile Ile
57 165 170 175
59 Gly Gly Ile Asp His Ser Leu Tyr Thr Gly Ser Leu Trp Tyr Thr Pro
60 180 185 190
62 Ile Arg Arg Glu Trp Tyr Tyr Glu Val Ile Ile Val Arg Val Glu Ile
63 195 200 205
65 Asn Gly Gln Asp Leu Lys Met Asp Cys Lys Glu Tyr Asn Tyr Asp Lys
66 210 215 220
68 Ser Ile Val Asp Ser Gly Thr Thr Asn Leu Arg Leu Pro Lys Lys Val
69 225 230 235 240
71 Phe Glu Ala Ala Val Lys Ser Ile Lys Ala Ala Ser Ser Thr Glu Lys
72 245 250 255

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74 Phe Pro Asp Gly Phe Trp Leu Gly Glu Gln Leu Val Cys Trp Gln Ala
75           260           265           270
77 Gly Thr Thr Pro Trp Asn Ile Phe Pro Val Ile Ser Leu Tyr Leu Met
78           275           280           285
80 Gly Glu Val Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln
81           290           295           300
83 Tyr Leu Arg Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr
84 305           310           315           320
86 Lys Phe Ala Ile Ser Gln Ser Ser Thr Gly Thr Val Met Gly Ala Val
87           325           330           335
89 Ile Met Glu Gly Phe Tyr Val Val Phe Asp Arg Ala Arg Lys Arg Ile
90           340           345           350
92 Gly Phe Ala Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala
93           355           360           365
95 Ala Val Glu Gly Pro Phe Val Thr Leu Asp Met Glu Asp Cys Gly Tyr
96           370           375           380
98 Asn
99 385

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101 <210> SEQ ID NO: 2

102 <211> LENGTH: 21

103 <212> TYPE: PRT

C--> 104 <213> ORGANISM: Artificial ✓

106 <220> FEATURE:

107 <223> OTHER INFORMATION: Histidine Tag ✓

109 <400> SEQUENCE: 2

111 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Met His Thr Glu His

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114 His His His His His

115 20

117 <210> SEQ ID NO: 3

118 <211> LENGTH: 13

119 <212> TYPE: PRT

C--> 120 <213> ORGANISM: Artificial ✓

122 <220> FEATURE:

123 <223> OTHER INFORMATION: Synthetic Peptide 6 ✓

125 <220> FEATURE:

126 <221> NAME/KEY: MOD_RES

127 <222> LOCATION: (5)..(5)

128 <223> OTHER INFORMATION: Statine

131 <400> SEQUENCE: 3 ✓

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134 1 5 10

136 <210> SEQ ID NO: 4

137 <211> LENGTH: 32

138 <212> TYPE: DNA

C--> 139 <213> ORGANISM: Artificial

141 <220> FEATURE:

142 <223> OTHER INFORMATION: Primer

144 <400> SEQUENCE: 4

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Output Set: N:\CRF3\07302001\1747420.raw

145 cgctttggat ccgtggacaa cctgaggggc aa 32
148 <210> SEQ ID NO: 5
149 <211> LENGTH: 40
150 <212> TYPE: DNA
C--> 151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Primer
156 <400> SEQUENCE: 5
157 cgctttggta ccctatgact catcgtctg tggaatgttg 40

VERIFICATION SUMMARY

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Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\07302001\I747420.raw

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L:120 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:139 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:151 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5